



Investing in Manufacturing Communities



Relentless pace
of technological
change



Blurring distinction
between
manufacturing
and services



“Digitization of
everything”

Advanced Industries

Manufacturing

35



Pharmaceuticals



Aerospace



Motor Vehicles & Parts



Medical Equipment

Advanced Industries

Manufacturing

35



Pharmaceuticals



Aerospace



Motor Vehicles &
Parts



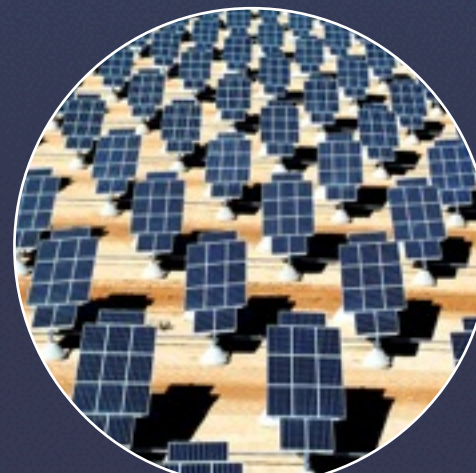
Medical Equipment

Energy

3



Oil & Gas
Extraction



Electricity
Generation

Advanced Industries

Manufacturing

35



Pharmaceuticals



Aerospace



Motor Vehicles & Parts



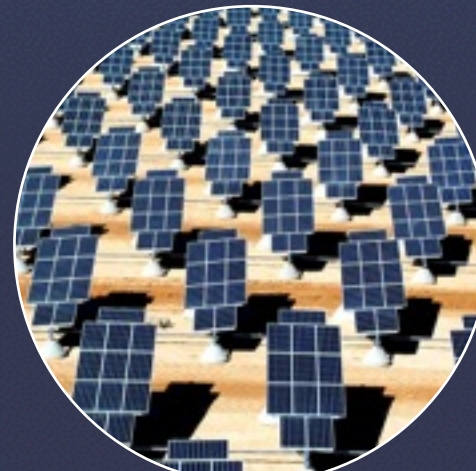
Medical Equipment

Energy

3



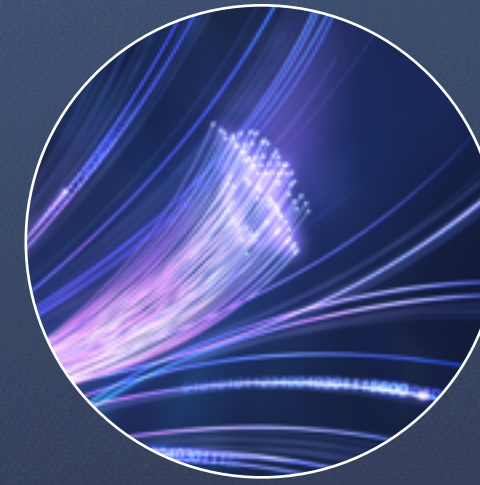
Oil & Gas Extraction



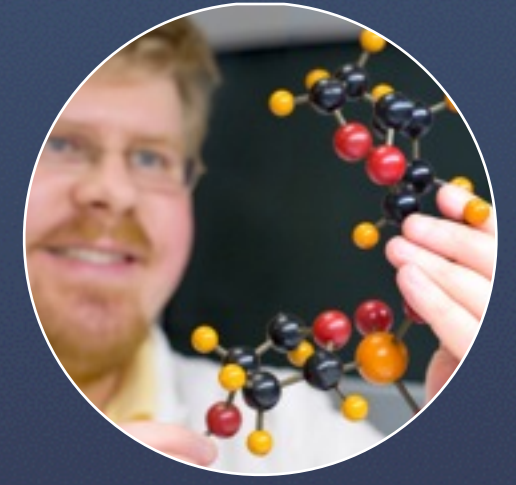
Electricity Generation

Services

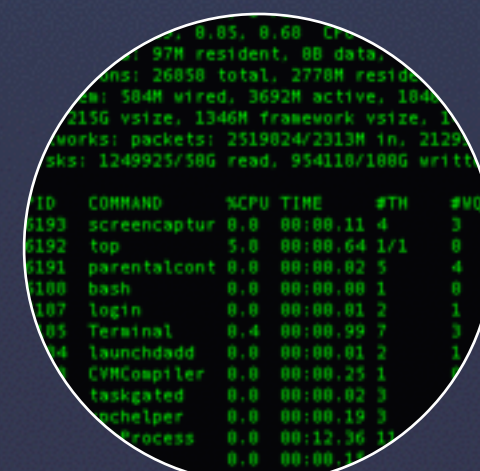
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Telecommunications



R&D Consulting Services



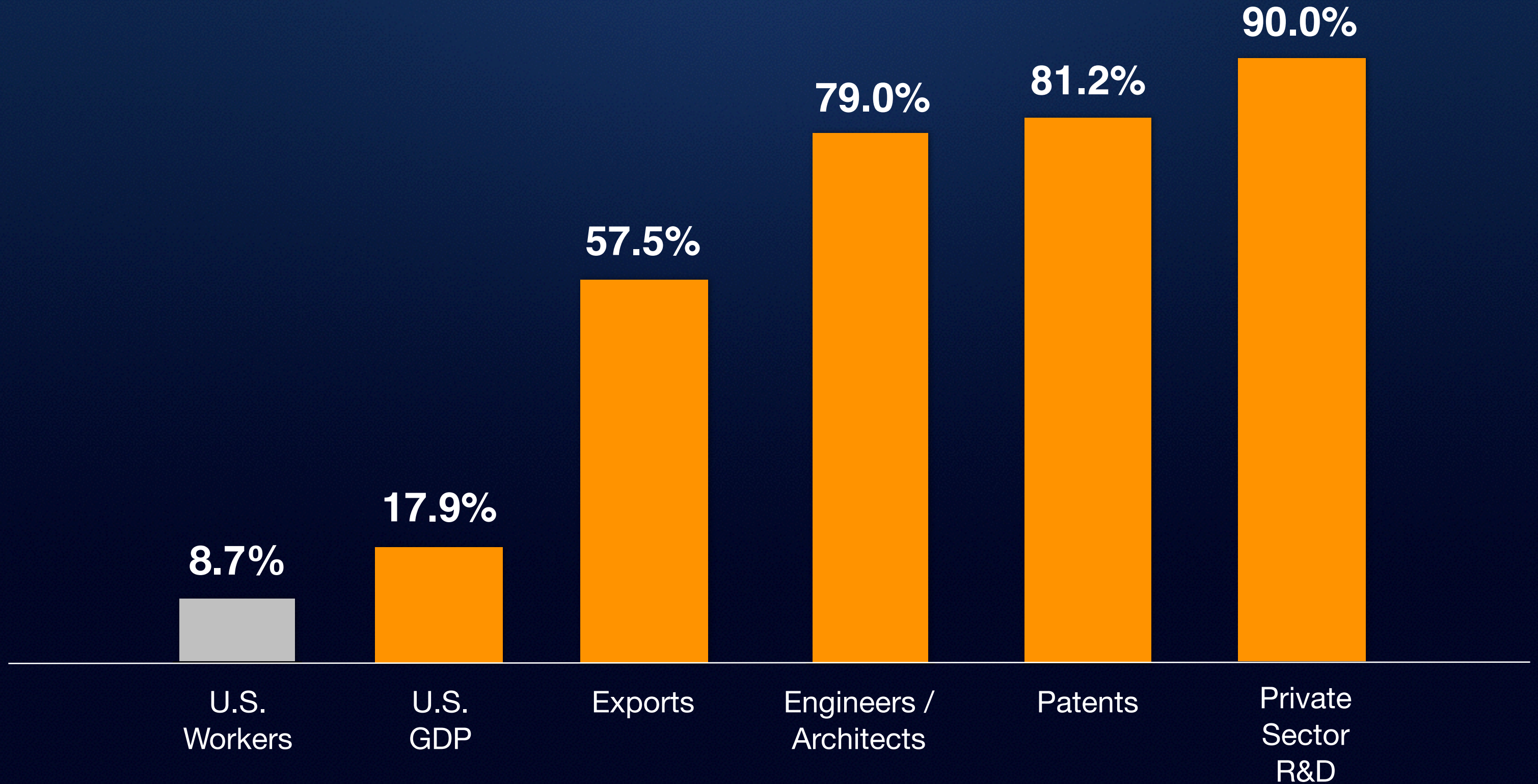
Software



Computer Systems Design

Advanced Industries

Share of US Totals



Advanced Industries

Develop Technology that
Transforms Lives



Drive Productivity in
Other Industries



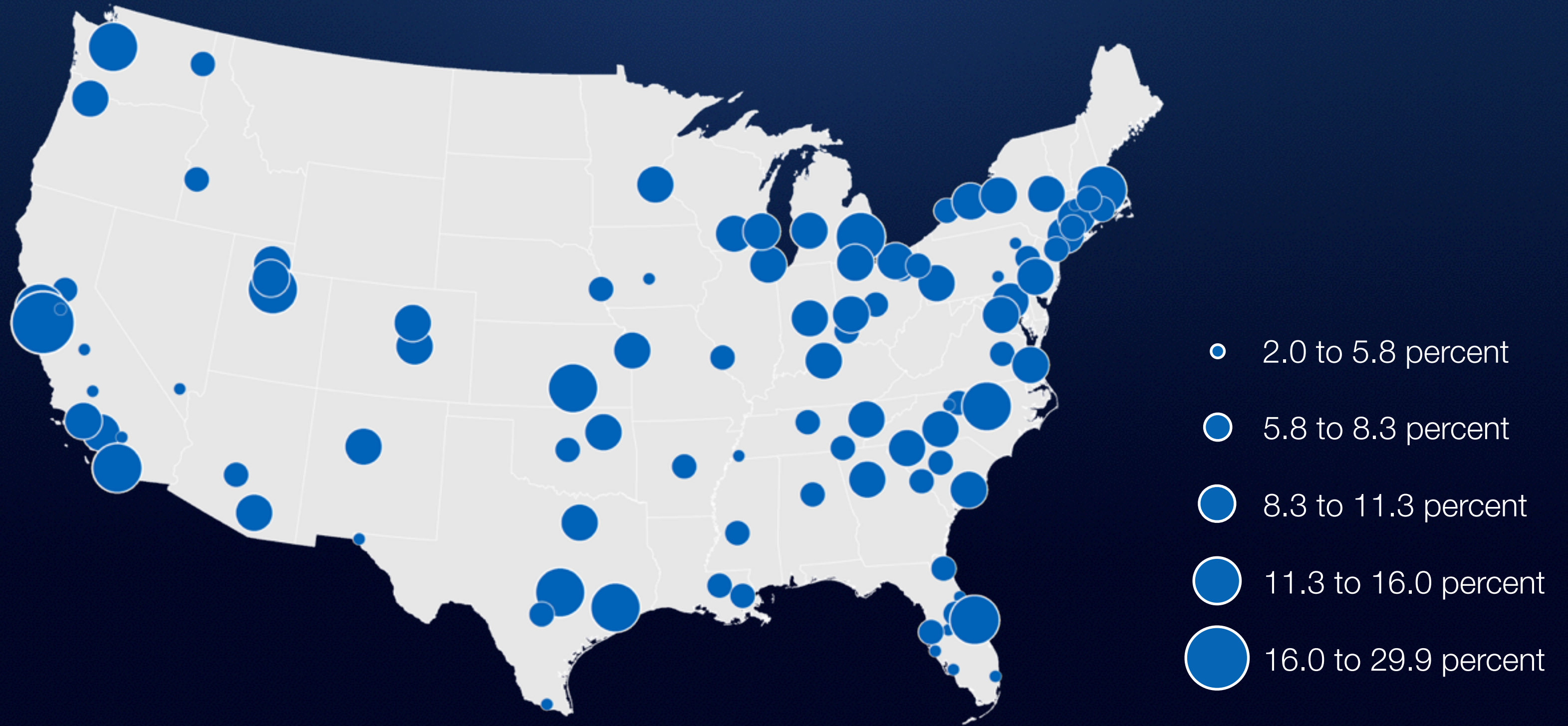
Support Long
Supply Chains



Stimulate Local
Economies

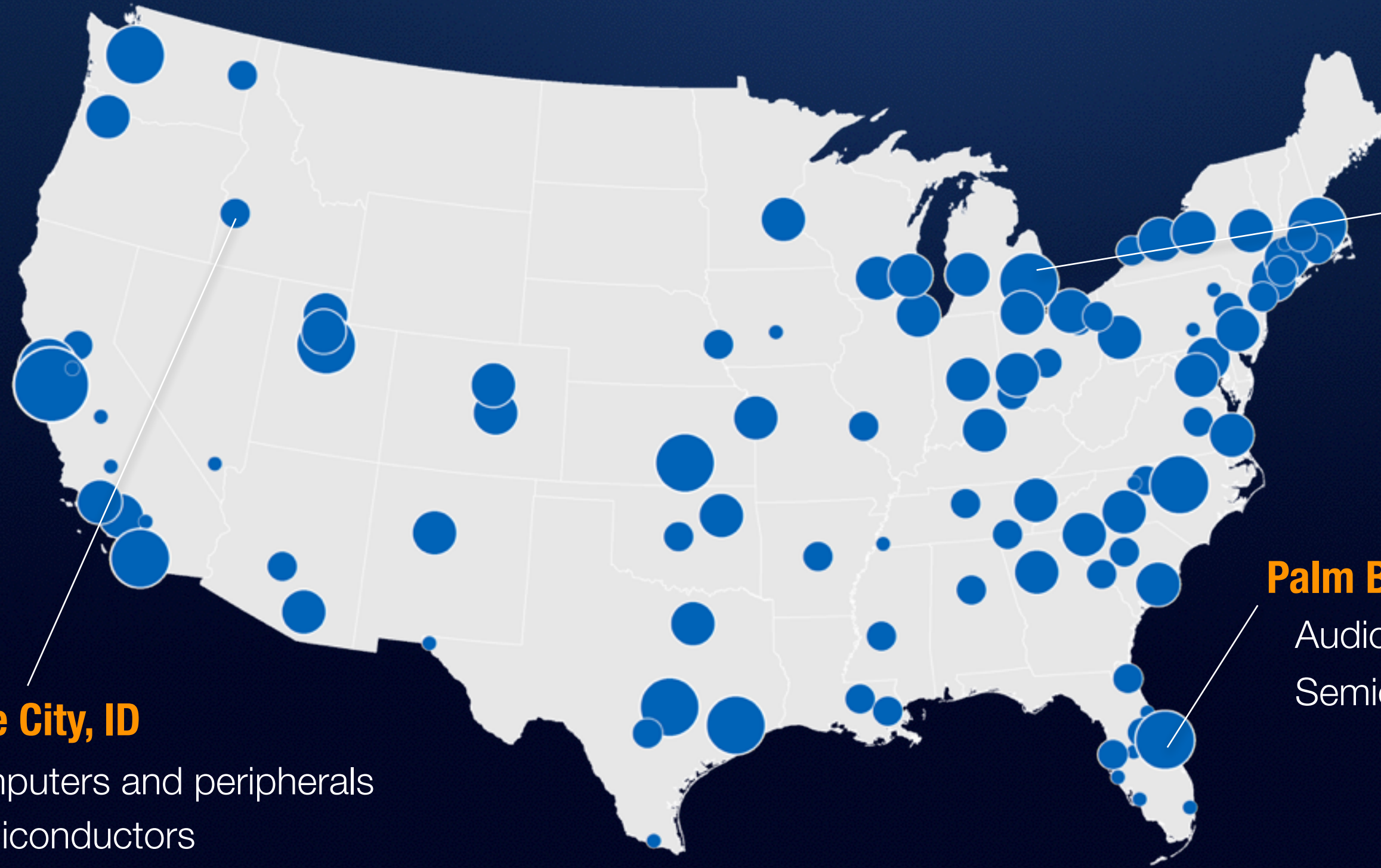
Advanced Industries

Share of Total Metro Area Employment in Advanced Industries



Advanced Industries

Manufacturing Specialized Metro Areas



Boise City, ID

- Computers and peripherals
- Semiconductors
- Commercial & service ind. machinery

Detroit, MI

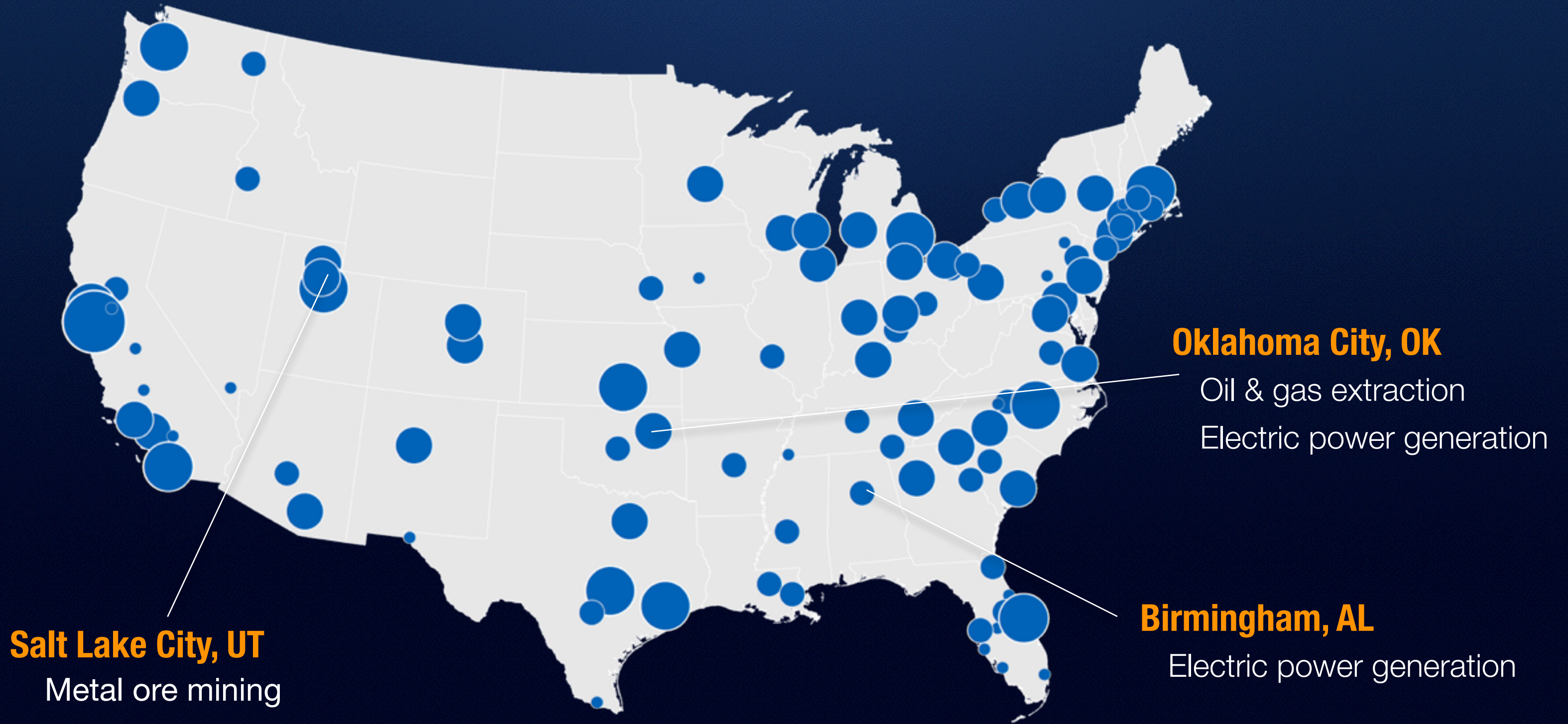
- Motor vehicles
- Motor vehicle parts
- Iron & steel mills

Palm Bay, FL

- Audio & video equipment
- Semiconductors

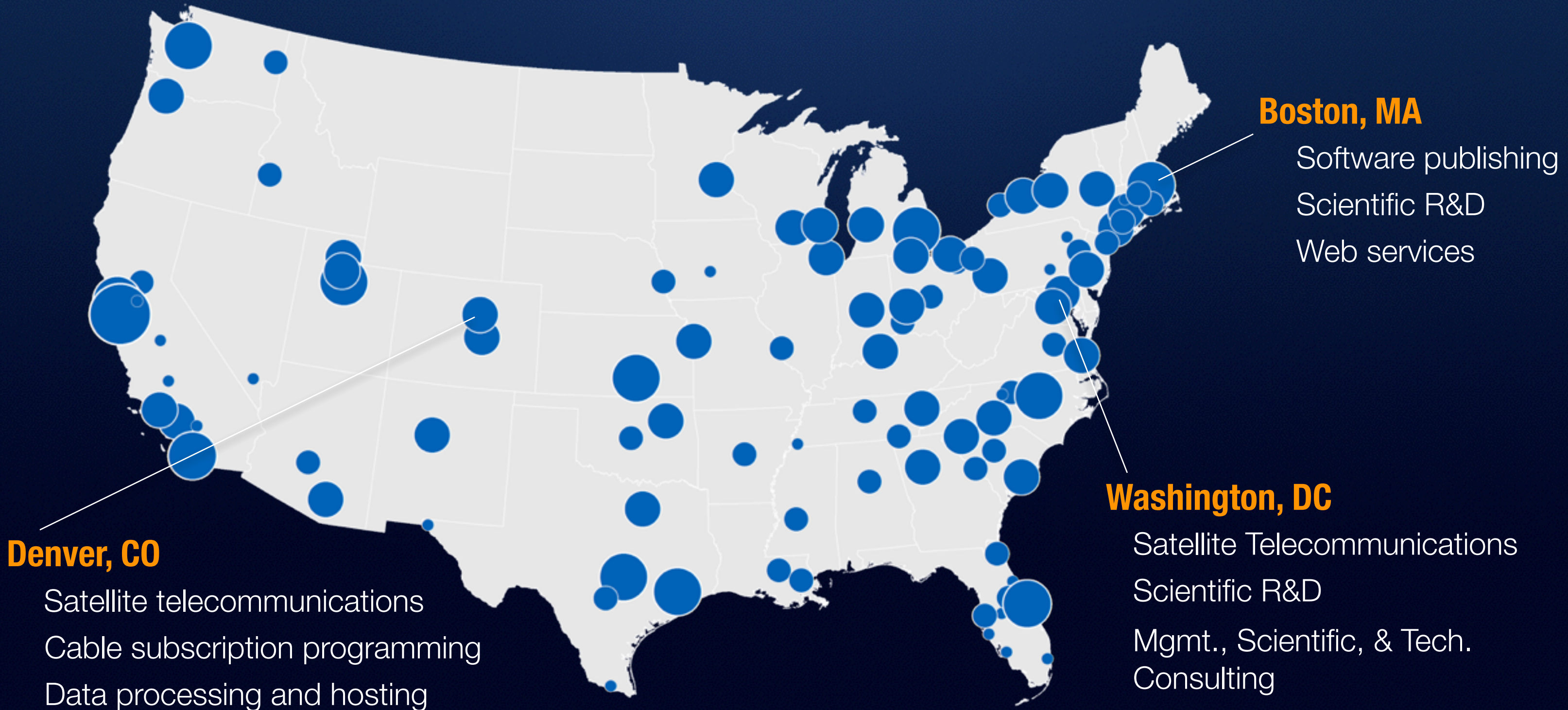
Advanced Industries

Energy Specialized Metro Areas



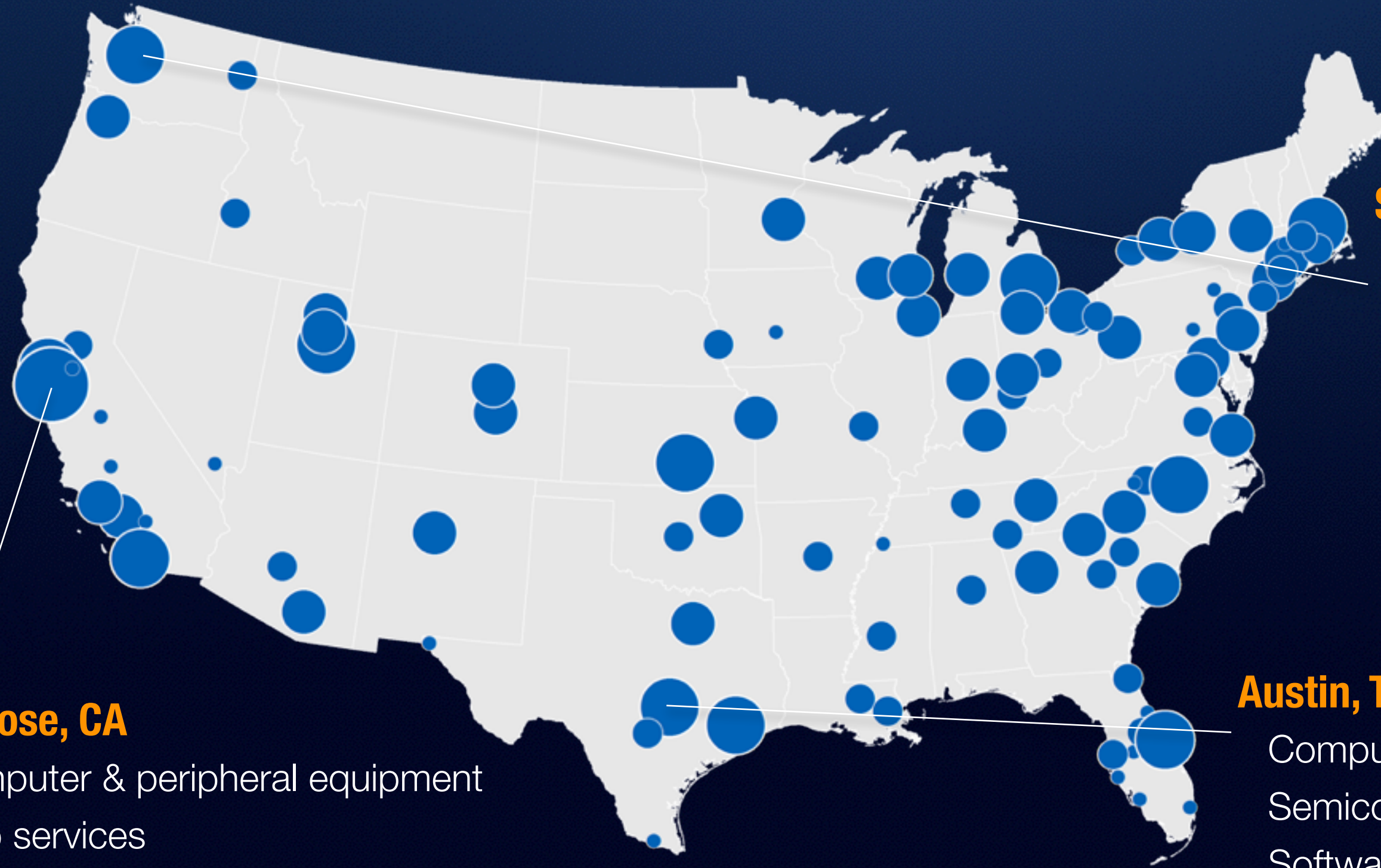
Advanced Industries

Services Specialized Metro Areas



Advanced Industries

Balanced Metro Areas



San Jose, CA

Computer & peripheral equipment
Web services
Semiconductors

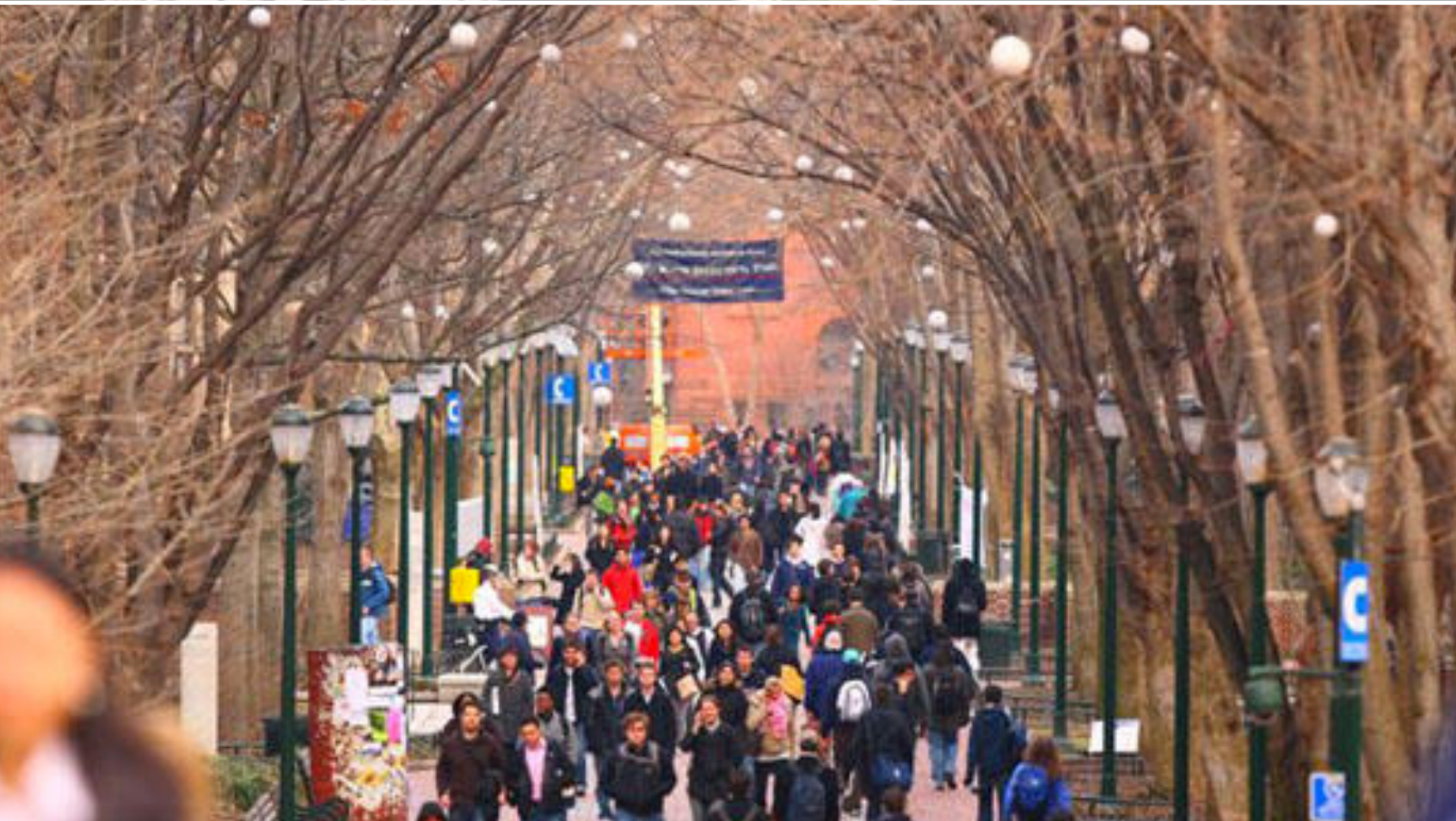
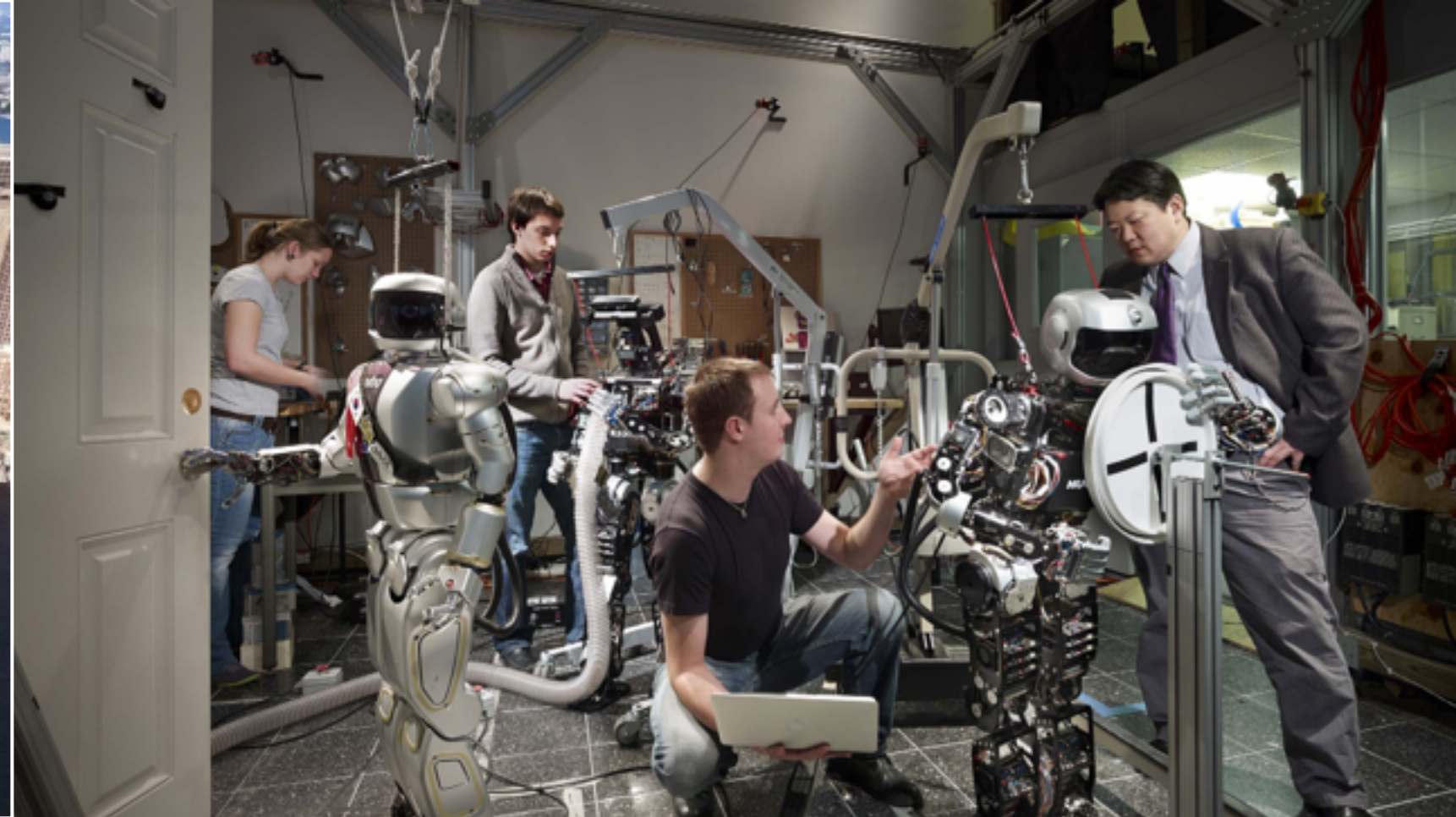
Seattle, WA

Aerospace products & parts
Software publishing
Wireless telecommunications

Austin, TX

Computer & peripheral equipment
Semiconductors
Software publishers

Source: Brookings Analysis of Moody's Analytics



Innovation District Models



Anchor Plus
Anchor-driven in
midtown/downtown areas

Innovation District Models



Anchor Plus
Anchor-driven in
midtown/downtown areas

Re-imagined Urban Area
Within or near waterfronts
or other old industrial areas

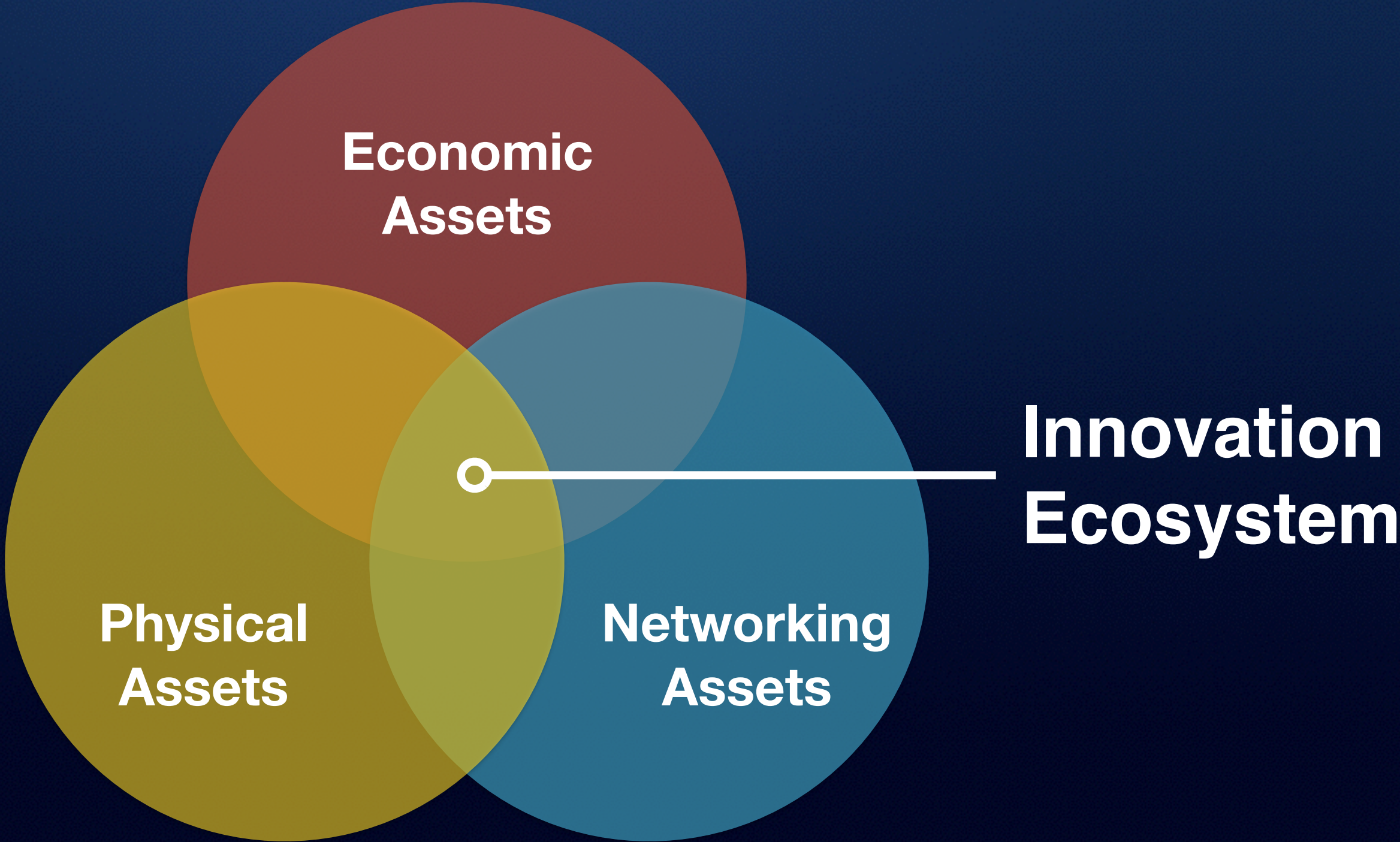
Innovation District Models

Urbanized Science Park
Outside of the city core where suburban parks are urbanizing



Anchor Plus
Anchor-driven in midtown/downtown areas

Re-imagined Urban Area
Within or near waterfronts or other old industrial areas



**Economic
Assets**





Economic
Assets

High-value, research-
oriented firms

A circular graphic with a dark orange background and the text "Economic Assets" in white, sans-serif font.

**Economic
Assets**



High-value, research-oriented firms



Highly creative fields

A circular graphic with a dark orange background and the text "Economic Assets" in white, sans-serif font.

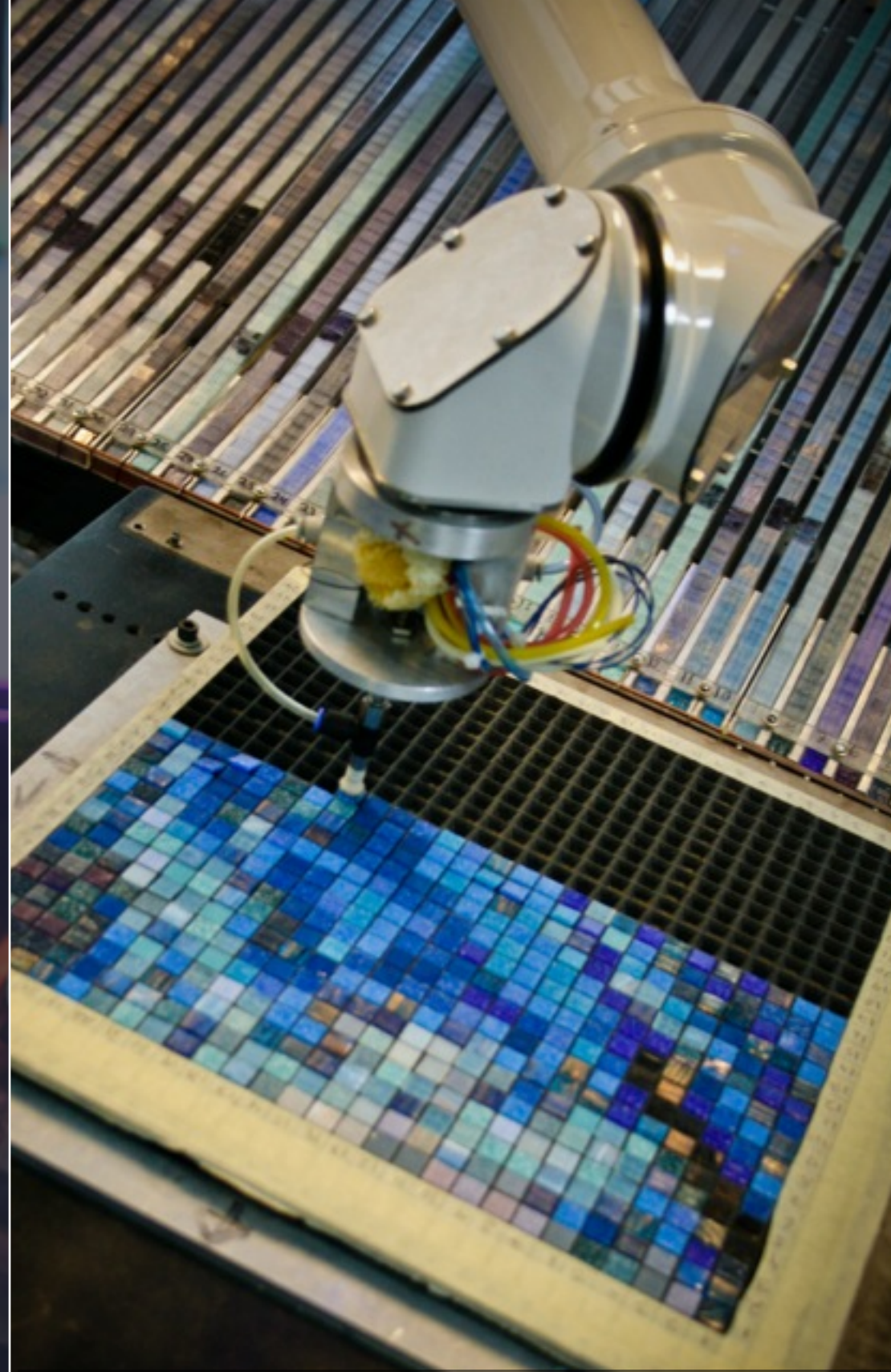
**Economic
Assets**



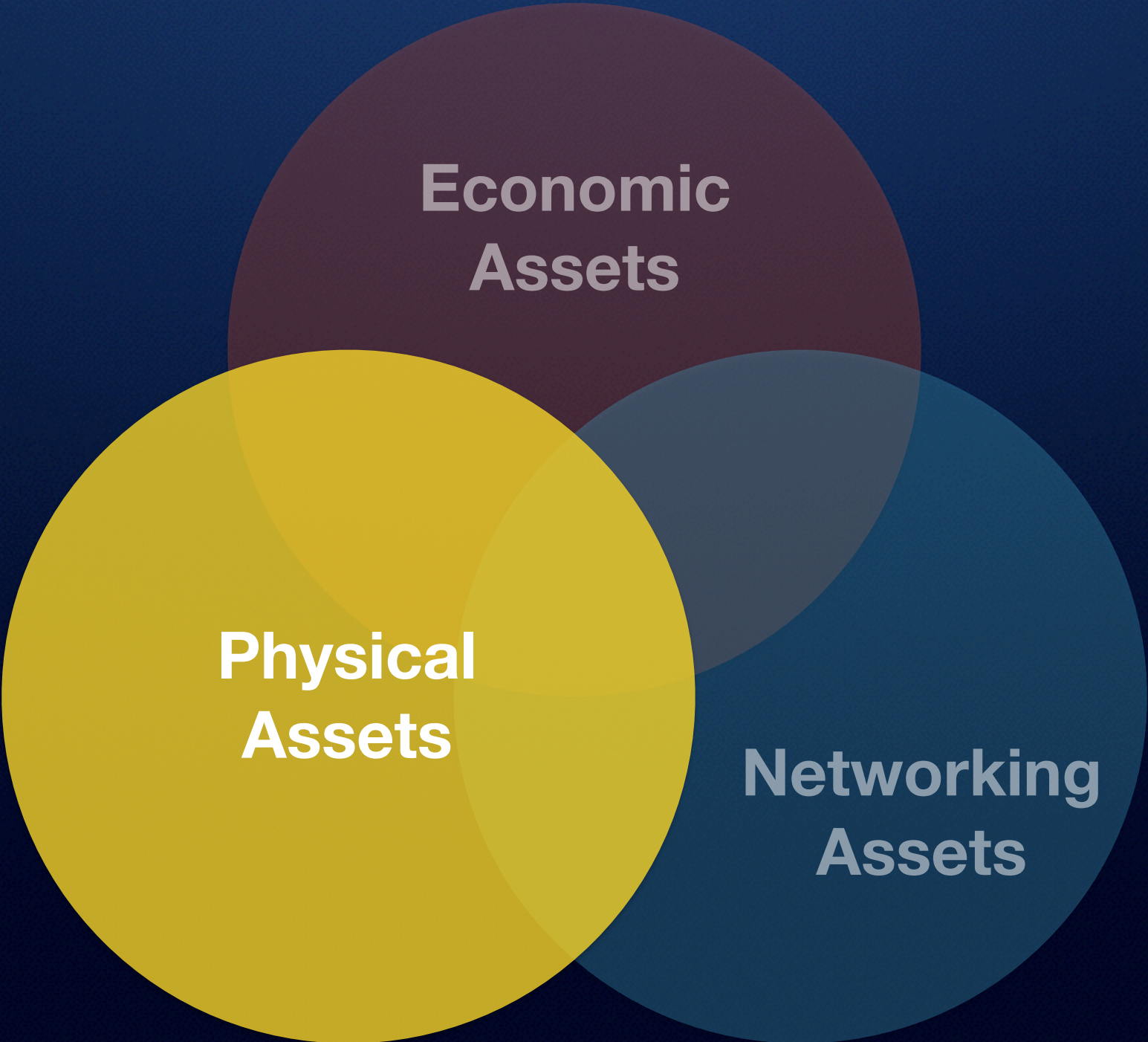
High-value, research-oriented firms



Highly creative fields



Small-batch manufacturing



**Economic
Assets**

**Physical
Assets**

**Networking
Assets**

Physical
Assets

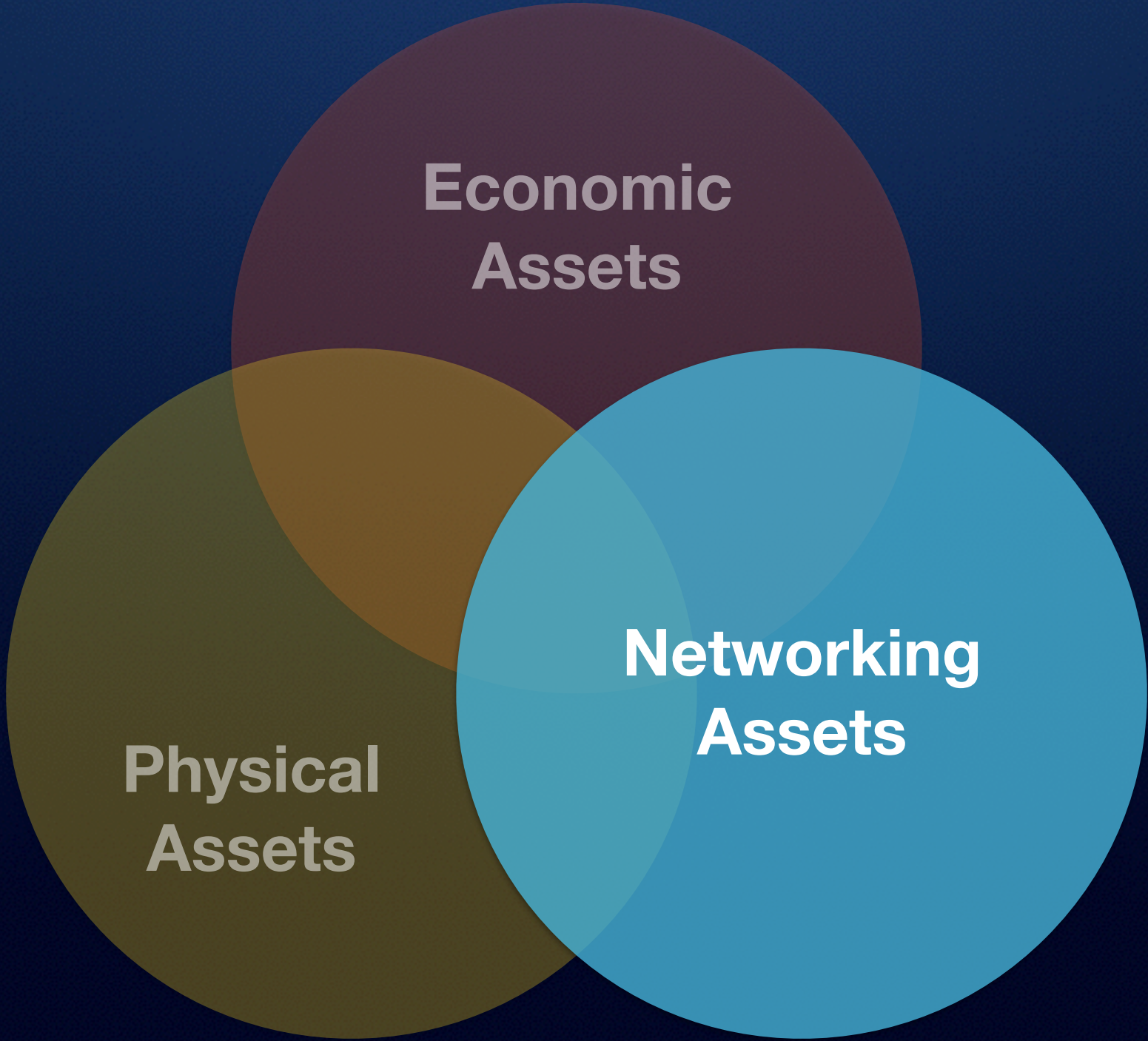


Physical Assets



Physical Assets





**Economic
Assets**

**Physical
Assets**

**Networking
Assets**

Networking
Assets



Source: High Tech Campus Eindhoven

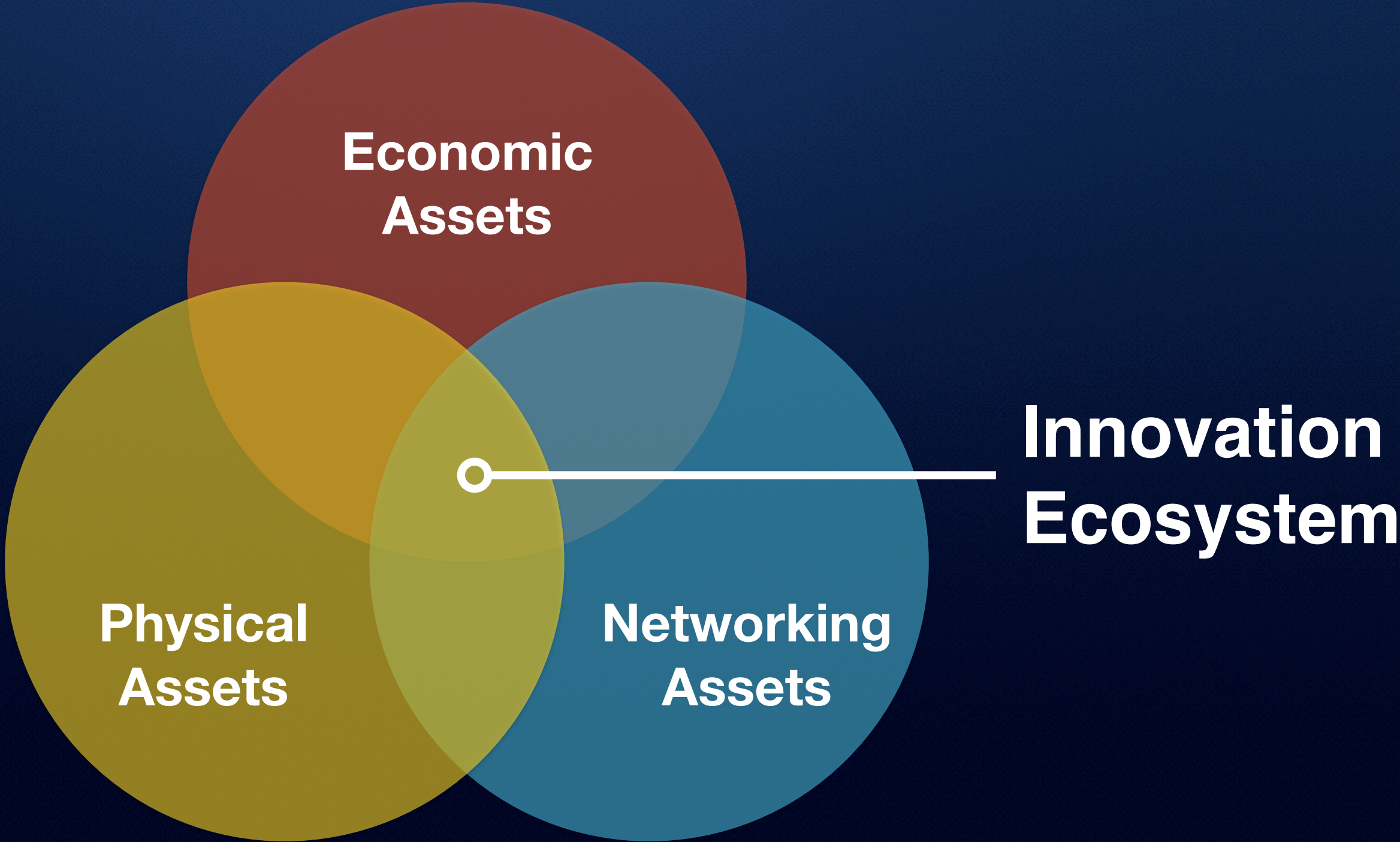
Strong ties: Tech Regulars at Eindhoven

Networking
Assets



Weak ties: Networking breakfasts at 22@Barcelona

Source: Barcelona City Council. Area of Economy, Business and Employment.





Investing in Manufacturing Communities



Metropolitan Policy Program
at BROOKINGS